GABRIEL FERNANDO CASTILLO MENDIETA

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PROFESSIONAL SUMMARY

Backend Developer with 3+ years of experience building scalable REST APIs, microservices architectures, and containerized applications. Proficient in Laravel, NestJS, and Python with hands-on experience in Docker, AWS, CI/CD pipelines, and Linux server administration. Focused on backend systems design, infrastructure automation, and cloud deployments.

EXPERIENCE

Fullstack Developer — Jul. 2025 – Present
TotalDev SAS — Remote

- Developed an interbank messaging system that receives and processes MT format files, validates encryption status, standardizes data formats, and routes messages according to SWIFT/ISO 20022 specifications.
- Built backend systems for inventory management handling product catalogs with REST APIs, automated CSV import/export, role-based access control by geographic regions, and reporting modules with SQL views for query optimization.
- Created QR code generation and validation systems for event management and product authentication, including pseudorandom code generation and real-time scanning interfaces.
- Implemented content management systems using Laravel and Filament, allowing non-technical users to manage site content, images, and configurations autonomously.

Fullstack Developer — Nov. 2024 – Jul. 2025
PARQ — Remote

- Maintained and evolved a microservice architecture with NestJS and TypeORM, performing code audits, refactoring legacy code, and resolving data inconsistencies in production databases.
- Developed electronic invoicing middleware integrating with Colombian providers (Siigo, Alegra, SATCOM), implementing transaction logging and error handling for regulatory compliance.
- Implemented pagination systems, queue-based bulk data loading, and scheduled jobs with timezone handling for automated report generation and notifications.
- Documented APIs using Swagger/OpenAPI and managed deployments through Docker and Portainer with version control in Bitbucket.

Backend Developer — Jan. 2023 – Nov. 2024
SEREMPRE — Remote

- Built backend systems for a corporate benefits platform serving multiple Latin American countries, developing REST APIs consumed by both mobile and web applications.
- Designed complex MySQL queries and stored procedures for reporting systems, and configured automated cron jobs for user administration and scheduled notifications.
- Migrated legacy systems to containerized environments using Docker (DDEV), applying database normalization and query optimization for batch processing workloads.
- Integrated external APIs (Cloudinary for media management, Moodle LTI for e-learning content) and developed custom plugins for content sharing between platforms.

EDUCATION

Systems and Computer Engineering — Expected 2026
Pedagogical and Technological University of Colombia — Tunja, Boyacá
Relevant Coursework: Databases, Distributed Systems, Computer Networks, Computer Security.

Information Systems Analysis and Development — 2022
National Learning Service (SENA) — Tunja, Boyacá

TECHNICAL SKILLS

Languages: Python, TypeScript, PHP, SQL, Bash

Backend: Laravel, NestJS, Node.js, REST API Design, Microservices Architecture

Databases: PostgreSQL, MySQL, Redis, TypeORM, Eloquent ORM, Query Optimization

DevOps/Cloud: Docker, Kubernetes, AWS (EC2, S3, RDS), CI/CD, GitHub Actions, Nginx, Linux

Tools: Git, Swagger/OpenAPI, SonarQube, Portainer, Bitbucket

ADDITIONAL INFORMATION

Languages: Spanish (Native), English (B2 - Upper Intermediate)

Interests: Backend architecture, distributed systems, cloud infrastructure, CI/CD automation.